

SBR No. 76/14-15

10.06.2014

No. 1st & Final Bill

Original/Duplicate/Triplicate

Date

Division DD

CONTRACT CERTIFICATE

Bill Received No. 327/14-15 Dated 16/7/14

(For Other Works)

Cash Book Voucher No. Dated

Scheduled Doctet No

Sub-Division DD

Head of Account

Name of work (as per sanctioned estimate) DRILLING OF BORE WELLS, PROVIDING PUMP MOTOR AND SERVICING AT MODEL COLONY IN DASARAHALLI WARD NO.15

Name of Contractor and Full Address

THE TECHNICAL MANGER (WEST) KRIDL

Reference to Agreement No

EE/DD/WO/304/13-14

Date 26.02.2014

Certified that the measurements were taken by me on 30/06/14 and recorded in pages 26 To 31 of measurements Book No. 848/13-14 and that the work is satisfactorily executed.

Contractor

Officer - in - charge of work

Certified that the measurements were checked by me on 30-6-14 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

Work Code :- 015-14-000002

		AMOUNT	
1.	Total value of work done or supplies made as per account.	ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ	
2.	Deduct amount to be held in reserve being percent Rs.	ಹಾಗೂ ಬೆಂಗಳೂರು - 560 073	
3.	- do - Balance	Bill amount :- 7,00,000=00	
4.	Deduct Payments :	IT- 14000=00	
a)	Amount of previous payment as in the Office Cash Book Voucher	VAT- 28000=00	
	No. Dated S.D. No.	FSD - 35000=00	
	Amount adjusted towards cash advance recovery of	Total 85,700=00	
b)	Payments cost store or other materials supplied.	LWC - 7000=00	
5.	Balance being unpaid value of work done held in reserve	CBF - 700=00	
6.	Deduct cash advance made on the office Cash Book Vehicle No. dated less adjustments	Fine - 1000=00	
7.	Net amount due to or from contractor	Net - 6,14,300=00	
	Unadjusted items	Total amount adjusted --	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.		

Received Rs. (in words)

by cash and by adjustment of

Payment as per memorandum.

Witness (In final settlement of all demand)

1.

2.

Date

Paid by me by cheque No

Dated

Cash Rs.

Dated

Stamp

Signature of Technical Manager

Technical Manager

KRIDL, BSMP

Bangalore - 560 001

Audited and adn (For use in the Office) 1,00,000=00

Passed by 6,14,300=00

(Six lakhs fourteen thousand three hundred Only)

85,700=00

Accounts

23

11	Supply and fixing 160mm borewell cap with clampset
12	Supply and fixing 50mm GI Union
13	Supply and fixing 50mm GI Elbow
14	Supply and fixing 50mm GI collar Heavy Duty
15	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK controls best india combined energy meter cum control panel board unit of size 1200x600x350 mm minimum mechanically strong water proof. The unit shall have two detachable doors suitable for operation on 3ph. 50 Hz, 380/440 volts with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron ventilators shall be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 Hz, 380/440 volts AC supply shall be complete the panel board shall be consists etc., complete the panel board shall be fabricated on single unit components panel board for suitable pumpset with Star delta starter out door type 10 HP to 20 HP
16	Providing and fixing of 50mm GI pipe C class heavy duty for erection of submersible pumpset complete
17	Erection of combined panel board and meter unit with necessary materials and labour including providing concrete foundation bed and door type etc., complete
18	Supplying of TPST with rewirable porcelain Channels in SM enclosure 15/32 amps
19	Supplying and fixing 500 x 500x 65mm polished wood board made up not less than 15mm thick plank with one end provided for holding at other end fixing the same of the valve using through bolts and nuts 20"x2"x2"
20	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 Hz DC Group B
21	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or concealed system) 7/20 or 7/36 copper wire
22	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to I 2834, 3 Phase 400 / 440 volt power factor improvement of rotating machinery capacitor in KVA rating Nos 2 KVAR capacity
23	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials wiring complete as required 5-32 TPN
24	Supplying, fixing, wiring earth electrode for grounding conduits. LC cutouts and other equipments on the line using 40mm dia 2.90 mm thick GI pipe 2.5m long buried in a pit. The pit should be filled with equal proportion of sand and charcoal 150mm allround the pipe to complete depth. The connection from the pipe to the conduct established through GI wire of size as per ISI specification 7.3.3. IS 732 using 12mm dia bolts, nuts, washer nuts, etc., the pipe shall have 16 through holes of 122 mm dia
25	Supplying and fixing class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole / crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm
26	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road core 16 sqmm
27	Labour charges for laying 1.1 KV class UG cable when supplied departmentally/agency in existing pipe/stoneware pipe/on wall/on pole as required
28	Digging of trench of 0.6m p x 0.50mtr wide refilling the trench to the required ground level and consolidating complete cutting road surface
29	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen compound complete with terminals clamp, bolts nuts and washers etc.,
30	Supplying and fixing of porcelain fuse channel with cut out on existing / new wooden panel using necessary materials and washers etc., complete
31	BESCOM deposit charges and misc. <i>DWP 1117 dt 30.6.14 Copy enclosed</i>
32	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricade lighting etc., in the Asph

	Nos			1.00	690.00	690.00	1.00	690.00	
	Nos			1.00	245.00	245.00	1.00	245.00	
	Nos			1.00	120.00	120.00	1.00	120.00	
	Nos			16.00	1350.00	21600.00	16.00	21600.00	
ous make ermin and AC supply d louvers ed energy sists etc., the above									
	Nos			1.00	10000.00	10000.00	1.00	10000.00	
	Mtr			288.00	402.75	115992.00	288.00	115992.00	
g cement									
	Nos			1.00	475.00	475.00	1.00	475.00	
	Nos			1.00	1350.00	1350.00	1.00	1350.00	
ont plank									
	Nos			1.00	275.00	275.00	1.00	275.00	
12/24 V									
	Nos			1.00	350.00	350.00	1.00	350.00	
f wiring)									
	Nos			10.00	25.00	250.00	10.00	250.00	
grade for									
	Nos			1.00	350.00	350.00	1.00	350.00	
erials and									
	Nos			1.00	1075.00	1075.00	1.00	1075.00	
ster board on of solt , is to be and check									
	Nos			1.00	1500.00	1500.00	1.00	1500.00	
ill / drain									
	Nos			10.00	220.00	2200.00	10.00	2200.00	
storatio 4									
	Mtr			15.00	150.00	2250.00	15.00	2250.00	
rench GI									
	Mtr			30.00	5.00	150.00	30.00	150.00	
ation etc.,									
	Mtr			15.00	50.00	750.00	15.00	750.00	
insulating									
	Nos			1.00	240.00	240.00	1.00	240.00	
uts, bolts									
	Nos			6.00	219.00	1314.00	6.00	1314.00	
	Ls			1.00	15000.00	15000.00	1.00	15000.00	
ig, danger									
	cum			9.00	255.46	2299.00	9.00	2299.00	

Items of work (grouped under sub-heads the sub works of the estimate)

1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through Hand pump, MWS or P.W.S.S by vertical electrical sounding by adopting Verner or Schlumberger's method, reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to reach top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour as required etc., as per Specification and direction, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above struts including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work
	0.00 to 50.00 m
	50.00 to 100.00 m
	100.00 to 150.00 m
	100.00 to 150.00 m
	200.00 to 250.00 m
	250.00 to 300.00 m
	300.00 to 350.00 m
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric continuous welded mild steel tube material conforming to IS 1387 / 1993 & manufactured from hot rolled steel strips in random length of 4 to 7 mts both ends threaded conforming to IS 554 / 1985, one end fixed with a screw cap the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work
4	Providing fixing 250mm dia PVC Pipe and as per specification
5	175mm dia M.S casing cap
6	M S casing pipe collars 'C' Class
7	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by non stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (V squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return valve etc. complete . The pump motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 12.50 HP 20 stage
8	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper flexible copper conductor conforming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and suitable for working voltage upto 1100 volts as per 1x3x4 sqm of 56 strands 0.3mm dia Group A
9	Supplying and fixing 50mm non return valve of vertical type of approved make including cost of all material and labour charges etc., complete as per specification
10	Supplying and fixing 50mm GM gate valve

	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
		Qty	Cost	Qty	Rate	Cost	Qty	Cost	
					Rs. Ps.				
rough the including vicinity, its to seal the of casing formation and labour rges etc.,	Each			1.00	1900.00	1900.00	1.00	1900.00	
ove in all dding and complete of casing s per the	Mtr								
	Mtr			50.00	306.00	15300.00	50.00	15300.00	
	Mtr			50.00	400.00	20000.00	50.00	20000.00	
	Mtr			50.00	445.00	22250.00	50.00	22250.00	
	Mtr			50.00	470.00	23500.00	50.00	23500.00	
	Mtr			50.00	544.00	27200.00	50.00	27200.00	
	Mtr			50.00	583.00	29150.00	50.00	29150.00	
	Mtr			50.00	622.00	31100.00	50.00	31100.00	
esistance el skelp / ocket and d labour	Mtr			78.00	1325.00	103350.00	78.00	103350.00	
	Rmt			18.00	100.00	19800.00	18.00	19800.00	
	Each			1.00	100.00	100.00	1.00	100.00	
	Each			54.00	150.00	8100.00	54.00	8100.00	
vertical easns of (vet type) tted with ump and nloading age	Set			1.00	71265.25	71265.00	1.00	71265.00	
pper with sheathed	Mtr			600.00	151.00	90600.00	600.00	90600.00	
ls labour	Nos			1.00	1530.00	1530.00	1.00	1530.00	
	Nos			1.00	1430.00	1430.00	1.00	1430.00	

pits or in es of pits of clods								
cum			45.00	190.80	8586.00	45.00	8586.00	
lowering be with al ith gravel								
Rmt			100.00	117.00	11700.00	100.00	11700.00	
Mtr			10.00	402.75	4028.00	10.00	4028.00	
ited layer e as per			9.00		463.00	9.00	463.00	
cum			(177.75)	51.41	(9138.00)	(177.75)	(9138.00)	
es of the			54.00		5769.00	54.00	5769.00	
cum			(159.68)	106.85	(17062.00)	(159.68)	(17062.00)	
Ls			1.00	850.00	850.00	1.00	850.00	
Ls			1.00	850.00	850.00	1.00	850.00	
TOTAL					699914.00		699914.00	
Charges					69991.00		69991.00	
our Cess					6999.00		6999.00	
ad Total					776904.00		776904.00	
					6,93,400/-		6,93,400/-	

Rupees in words 10% KRIDL charges - 67,429=00 67,429=00

Total - 7,41,719=00 7,41,719=00

Amount limited

as per work Order - 7,00,000=00 7,00,000=00